

#2

OIKE

## RAW SEQUENCE LISTING

DATE: 04/27/2001

PATENT APPLICATION: US/09/835,297

TIME: 12:23:45

Input Set : A:\SEQLIST.txt

Output Set: N:\CRF3\04272001\I835297.raw

ENTERED

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3 <110> APPLICANT: Bluestone, Jeffrey
4   Collins, Mary
5   Griffin, Mathew
6   Kranz, David
8 <120> TITLE OF INVENTION: SURFACE-BOUND ANTIGEN BINDING PORTIONS OF ANTIBODIES
9   THAT BIND TO CTLA4 AND USES THEREFOR
11 <130> FILE REFERENCE: GNN-014CP
C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/835,297
C--> 14 <141> CURRENT FILING DATE: 2001-04-12
16 <150> PRIOR APPLICATION NUMBER: 60/196,851
17 <151> PRIOR FILING DATE: 2000-04-12
19 <160> NUMBER OF SEQ ID NOS: 4
21 <170> SOFTWARE: PatentIn Ver. 2.0
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24 <211> LENGTH: 672
25 <212> TYPE: DNA
26 <213> ORGANISM: Homo sapiens
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31 gccacgcctg ctgtgtgact ggccagcagc cgaggcatcg ccagctttgt gtgtgagtat 180
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38 ctcacagctg tttctttgag caaatgcta aagaaaagaa gccctcttac aacaggggtc 600
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43 <211> LENGTH: 223
44 <212> TYPE: PRT
45 <213> ORGANISM: Homo sapiens
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52   20           25           30
54 Val Phe Cys Lys Ala Met His Val Ala Gln Pro Ala Val Val Leu Ala
55   35           40           45
57 Ser Ser Arg Gly Ile Ala Ser Phe Val Cys Glu Tyr Ala Ser Pro Gly
58   50           55           60
60 Lys Ala Thr Glu Val Arg Val Thr Val Leu Arg Gln Ala Asp Ser Gln
61   65           70           75           80
63 Val Thr Glu Val Cys Ala Ala Thr Tyr Met Met Gly Asn Glu Leu Thr
64   85           90           95

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70          115          120          125
72 Cys Lys Val Glu Leu Met Tyr Pro Pro Pro Tyr Tyr Leu Gly Ile Gly
73          130          135          140
75 Asn Gly Ala Gln Ile Tyr Val Ile Asp Pro Glu Pro Cys Pro Asp Ser
76 145          150          155          160
78 Asp Phe Leu Leu Trp Ile Leu Ala Ala Val Ser Ser Gly Leu Phe Phe
79          165          170          175
81 Tyr Ser Phe Leu Leu Thr Ala Val Ser Leu Ser Lys Met Leu Lys Lys
82          180          185          190
84 Arg Ser Pro Leu Thr Thr Gly Val Tyr Val Lys Met Pro Pro Thr Glu
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87 Pro Glu Cys Glu Lys Gln Phe Gln Pro Tyr Phe Ile Pro Ile Asn
88          210          215          220
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93 <212> TYPE: DNA
94 <213> ORGANISM: Homo sapiens
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99 cggagactct caggccttgg cagggtgcgtc ttccagttcc cctcacactt cgggttcttc 180
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127 tgaaactccg tctgtactaa aaatacaaaa tttagcttg cctgggtggca ggcacctgta 1860
128 atcccagctg cccaggaggc tgaggcatga gaatcgcttg aacctggcag gcggagggtg 1920
129 cagtgagccg agatagtgcc acagctctcc agcctgggcg acagagttag actccatctc 1980
130 aaacaacaac aacaacaaca acaacaacaa caaaccacaa aattatttga gtactgtgaa 2040
131 ggattatttg tctaacagtt cattccaatc agaccaggta ggagctttcc tgtttcatat 2100
132 gtttcagggt tgcacagttg gtctctttaa tgtcgggtg gagatccaaa gtgggttggtg 2160
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143 tggagataat ggttacaaat gtctcttctc atagtataat ctccataagg gcatggccca 2820
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162 &lt;210&gt; SEQ ID NO: 4

163 &lt;211&gt; LENGTH: 220

164 &lt;212&gt; TYPE: PRT

165 &lt;213&gt; ORGANISM: Homo sapiens

167 &lt;400&gt; SEQUENCE: 4

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169 1 5 10 15

171 Thr Gly Asn Lys Ile Leu Val Lys Gln Ser Pro Met Leu Val Ala Tyr

172 20 25 30

174 Asp Asn Ala Val Asn Leu Ser Cys Lys Tyr Ser Tyr Asn Leu Phe Ser

175 35 40 45

177 Arg Glu Phe Arg Ala Ser Leu His Lys Gly Leu Asp Ser Ala Val Glu

178 50 55 60

## RAW SEQUENCE LISTING

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186 Phe Tyr Leu Gln Asn Leu Tyr Val Asn Gln Thr Asp Ile Tyr Phe Cys
187 100 105 110
189 Lys Ile Glu Val Met Tyr Pro Pro Pro Tyr Leu Asp Asn Glu Lys Ser
190 115 120 125
192 Asn Gly Thr Ile Ile His Val Lys Gly Lys His Leu Cys Pro Ser Pro
193 130 135 140
195 Leu Phe Pro Gly Pro Ser Lys Pro Phe Trp Val Leu Val Val Val Gly
196 145 150 155 160
198 Gly Val Leu Ala Cys Tyr Ser Leu Leu Val Thr Val Ala Phe Ile Ile
199 165 170 175
201 Phe Trp Val Arg Ser Lys Arg Ser Arg Leu Leu His Ser Asp Tyr Met
202 180 185 190
204 Asn Met Thr Pro Arg Arg Pro Gly Pro Thr Arg Lys His Tyr Gln Pro
205 195 200 205
207 Tyr Ala Pro Pro Arg Asp Phe Ala Ala Tyr Arg Ser
208 210 215 220

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/835,297

DATE: 04/27/2001

TIME: 12:23:47

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Output Set: N:\CRF3\04272001\I835297.raw

L:13 M:270 C: Current Application Number differs, Replaced Application Number

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date